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RAW SEQUENCE LISTING

PATENT APPLICATION: **US/10/089,058A**

DATE: 02/28/2003

TIME: 14:31:42

Input Set : **A:\Sequence**

Output Set: **N:\CRF4\02282003\J089058A.raw**

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   5 <110> APPLICANT: Braun, Curtis
   7        Borgford, Thor
   9        Purac, Admir
  13 <120> TITLE OF INVENTION: Improved Ricin-Like Toxins for Treatment of Cancer
  17 <130> FILE REFERENCE: 10447-22
  21 <140> CURRENT APPLICATION NUMBER: US 10/089,058A
C--> 23 <141> CURRENT FILING DATE: 2002-09-12
  27 <150> PRIOR APPLICATION NUMBER: US 60/197,409
  29 <151> PRIOR FILING DATE: 2000-04-14
  33 <150> PRIOR APPLICATION NUMBER: US 60/157,807
  35 <151> PRIOR FILING DATE: 1999-10-04
  39 <160> NUMBER OF SEQ ID NOS: 130
  43 <170> SOFTWARE: PatentIn version 3.1
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  77 <210> SEQ ID NO: 3
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  81 <212> TYPE: DNA
  83 <213> ORGANISM: E. coli
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  97 <213> ORGANISM: E. coli
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122 aaacaatacc caattataaa ctttaccaca gcgggtgcca ctgtgcaaag ctacacaaac     180
124 tttatcagag ctgttcgcgg tcgtttaaca actggagctg atgtgagaca tgaaatacca     240
126 gtgttgccaa acagagttgg tttgcctata aaccaacggt ttattttagt tgaactctca     300
128 aatcatgcag agctttctgt tacattagcg ctggatgtca ccaatgcata tgtggtcggc     360
130 taccgtgctg gaaatagcgc atatttcttt catcctgaca atcaggaaga tgcagaagca     420
132 atcactcatc ttttcactga tgttcaaaat cgatatacat tcgcctttgg tggtaattat     480
134 gatagacttg aacaacttgc tggtaatctg agagaaaata tcgagttggg aaatggtcca     540
136 ctagaggagg ctatctcagc gctttattat tacagtactg gtggcactca gcttccaact     600
138 ctggctcgtt cctttataat ttgcatccaa atgatttcag aagcagcaag attccaatat     660
140 attgagggag aaatgcgcac gagaattagg tacaaccgga gatctgcacc agatcctagc     720
142 gtaattacac ttgagaatag ttggggggaga ctttccactg caattcaaga gtctaaccaa     780
144 ggagcctttg ctagtccaat·tcaactgcaa agacgtaatg gttccaaatt cagtgtgtac     840
146 gatgtgagta tattaatccc tatcatagct ctcatggtgt atagatgcgc acctccacca     900
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150 atggatcctg agcccatagt gcgtatcgta ggtcgaaatg gtctatgtgt tgatgttagg    1020
152 gatggaagat tccacaacgg aaacgcaata cagttgtggc catgcaagtc taatacagat    1080
154 gcaaatcagc tctggacttt gaaaagagac aatactattc gatctaatgg aaagtgttta    1140
156 actacttacg ggtacagtcc gggagtctat gtgatgatct atgattgcaa tactgctgca    1200
158 actgatgcca cccgctggca aatatgggat aatggaacca tcataaatcc cagatctagt    1260
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162 tatgccgtta gtcaaggttg gcttcctact aataatacac aaccttttgt tacaaccatt    1380
164 gttgggctat atggtctgtg cttgcaagca aatagtggac aagtatggat agaggactgt    1440
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168 caaaaccgag ataattgcct tacaagtgat tctaatatac gggaaacagt tgttaagatc    1560
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172 ttaaatttgt atagtgggtt ggtgttagat gtgaggcgat cggatccgag ccttaaacaa    1680
174 atcattcttt accctctcca tggtgaccca aaccaaatat ggttaccatt attttgatag    1740
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198             20                  25
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205 <212> TYPE: PRT
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211 <400> SEQUENCE: 7
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214 1               5                   10                  15
217 Gln Arg Asn Phe Asn Ala Asp Val Cys Met Asp Pro Glu
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269 <212> TYPE: DNA
271 <213> ORGANISM: E. coli
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294 aaacaatacc caattataaa ctttaccaca gcgggtgcca ctgtgcaaag ctacacaaac  180
296 tttatcagag ctgttcgcgg tcgtttaaca actggagctg atgtgagaca tgaaatacca  240
298 gtgttgccaa acagagttgg tttgcctata aaccaacggt ttattttagt tgaactctca  300
300 aatcatgcag agctttctgt tacattagcg ctggatgtca ccaatgcata tgtggtcggc  360
302 taccgtgctg gaaatagcgc atatttcttt catcctgaca atcaggaaga tgcagaagca  420
304 atcactcatc ttttcactga tgttcaaaat cgatatacat tcgcctttgg tggtaattat  480
306 gatagacttg aacaacttgc tggtaatctg agagaaaata tcgagttggg aaatggtcca  540
308 ctagaggagg ctatctcagc gctttattat tacagtactg gtggcactca gcttccaact  600
310 ctggctcgtt cctttataat ttgcatccaa atgatttcag aagcagcaag attccaatat  660
312 attgagggag aaatgcgcac gagaattagg tacaaccgga gatctgcacc agatcctagc  720
314 gtaattacac ttgagaatag ttgggggaga ctttccactg caattcaaga gtctaaccaa  780
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322 cgtatcgtag gtcgaaatgg tctatgtgtt gatgttaggg atggaagatt ccacaacgga 1020
324 aacgcaatac agttgtggcc atgcaagtct aatacagatg caaatcagct ctggactttg 1080
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PATENT APPLICATION: **US/10/089,058A**

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332 gggaacagtg gtaccacact tacagtgcaa accaacattt atgccgttag tcaaggttgg   1320
334 cttcctacta ataatacaca accttttgtt acaaccattg ttgggctata tggtctgtgc   1380
336 ttgcaagcaa atagtggaca agtatggata gaggactgta gcagtgaaaa ggctgaacaa   1440
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340 acaagtgatt ctaatatacg ggaaacagtg gttaagatcc tctcttgtgg ccctgcatcc   1560
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346 ggtgacccaa accaaatatg gttaccatta ttttgataga cagattactc tcttgcagtg   1740
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370             20                  25
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390             20
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RAW SEQUENCE LISTING   DATE: 02/28/2003
PATENT APPLICATION: US/10/089,058A   TIME: 14:31:42

Input Set : A:\Sequence
Output Set: N:\CRF4\02282003\J089058A.raw

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VERIFICATION SUMMARY   DATE: 02/28/2003
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